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AMSAT NEWS SERVICE
ANS-193

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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ANS-193 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 193.01
  From AMSAT HQ Kensington, MD.
July 12, 2015
To All RADIO AMATEURS
BID: $ANS-193.01

DeorbitSail Launch Information

The CubeSat DeorbitSail built by researchers and radio amateurs at the Surrey
Space Centre in Guildford carries a 1200 bps BPSK beacon on 145.975 MHz. The satellite was successfully launched at 1628 UT on Friday, July 10.

DeorbitSail is a 3U CubeSat sized satellite with a deployable sail that will demonstrate rapid deorbiting.

Chris Bridges 2E0OBC writes:

Dear AMSAT’ers, CubeSat’ers, Friends,

Please find attached exclusive details of a UK CubeSat called DeorbitSail flying
out tomorrow evening on PSLV. Please feel free to distribute to other hams that
can help out.

This contains all the info you should need including:

• Initial TLE
• DeorbitSail Flyer > Launch details, etc.
• Predicted first packet transmission on 145.975 MHz, 1k2 BPSK -> we predict to
be over Russia in the evening.

First packets sent in will get a Signed Certificate of thanks from the team!

If you have any telemetry or TLE/frequency information, please send it to me and/or to deorbitsail.messages(a)gmail.com so we can quickly learn our satellite
state.

Any questions, don’t hesitate to ask!

73 Chris 2E0OBC

DEORBITSAIL
1 55554U 58056A   15191.72643157 .00000000 00000-0 +13828-4 0 335
2 55554 97.9842 81.0881 0007584 273.9578 86.0949 14.75593446209360

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Deorbitsail website
http://www.surrey.ac.uk/ssc/research/space_vehicle_control/deorbitsail/

ISRO PSLV-C28 / DMC3 Mission
http://www.isro.gov.in/launcher/pslv-c28-dmc3-mission

[ANS thanks Chris 2E0OBC, for the above information]

AMSAT Field Day Submission Deadline 13 July 2015

For those of you that only worked one or two stations on the satellite or if you
worked 10, 20, 50 or more stations, please still submit your scores for Field
Day. Although the form online at http://www.amsat.org (click on the Events tab
and then the Field Day link) is in PDF format, you can copy and paste the submission portion into Word (amazing how they migrate back and forth). Or you
can download the DOCX file from http://www.amsatnet.com/fd2015.docx

Please remember that ARRL submissions are due much later than our submission date. Your submission must be received by 11:59 PM Central Time on July 13, 2015
(Monday). That will leave less than a week to tabulate and write the article for
the Journal. Please include any pictures that will show off your field day site.
We have had flamingos, long horn steers, clocks running on lemons, campers, ladder towers and all kinds of neat stuff in the past.

You will receive confirmation that your submission was received, usually sometime that day. If you do not receive confirmation, please send to the other
email address, or send to both at the same time.

  kk5do(a)arrl.net

kk5do(a)amsat.org

[ANS thanks Bruce, KK5DO, for the above information]

AMSAT Featured on Live W5KUB.com Tuesday, July 14 Webcast

Join hosts Ted Randall, WB8PUM, and Tom Medlin, W5KUB, on the live ham show Tuesday, July 14, at 8:00 PM CT on W5KUB.com. In addition to watching on w5kub.com, this show is simulcast on powerful shortwave station WTWW on 5085 KHz. Call-in phone lines are open during the show.

Guests this week include AMSAT Vice President Engineering Jerry Buxton, N0JY and
Vice President Operations Drew Glasbrenner, KO4MA. Jerry and Drew will talk about the latest AMSAT information:

+ Fox-1A launch coming this fall
+ Operational satellites
+ AMSAT's future opportunities

The webcast window and an accompanying chat room for the show are on Tom's web
page: http://w5kub.com/

If you wish to get on the chat room you'll need to pre-register with Tom's site.
When you get to W5KUB.com the chat room should open automatically. Or, you can
click on the icon at the bottom right of Tom's page. Select "new user". Many use
their call sign for their username.

The webcast is recorded and is available a day or so later if you miss the live
show.

[ANS thanks Tom Medlin, W5KUB for the above information]

International Space Colloquium at Guildford

The AMSAT-UK International Space Colloquium will be held on July 24-26 at the Holiday Inn, Guildford, GU2 7XZ, UK.

Among the speakers will be:
• Peter Guelzow DB2OS with an update on AMSAT-DL projects, including the Phase 4 satellite
• Chris Brunskill, formerly of Surrey Space Centre (SSC), now working at the Space Catapult at the Harwell Campus. He will be presenting an extremely novel project aimed at schools and education
• It is hoped the BATC will be able to demonstrate live Digital TV reception from the International Space Station, using the Ham TV system
• Drew Glasbrenner KO4MA, from AMSAT North America will be attending, and presenting the latest news of the FOX satellite(s) due for launch later this year, and also on their Phase 4 project

The Colloquium is open to all further information is at
http://amsat-uk.org/colloquium/

[ANS thanks AMSAT-UK for the above information]

ARISS Challenge Coin

The Amateur Radio on the International Space Station (ARISS) program is announcing a brand new ARISS Challenge Coin that will be a thank you memento to donors who give to ARISS. The beautiful coin will be a keepsake to treasure.

The ARISS program relies on resource support from NASA, ARRL, AMSAT, and individual donors to ensure continuing the day-to-day operations and communications, and to pay for space-flight certification of equipment. Current finances to sustain operations in future years are insufficient.

The ARISS program is initiating a fundraising campaign with the goal of securing greater financial stability for the program.

According to ARISS International Chair Frank Bauer, KA3HDO, “To assure the future of the program we are looking to individuals and corporate sponsors to provide the resources we will need to sustain operations and to acquire needed equipment upgrades.”

Plans are underway to develop a new higher power Amateur Radio station for the ISS Columbus module. The current radio is a lower power unit that sometimes results in weak signals. A new radio system will improve the communications for education groups whose students are scheduled for ARISS contacts and related educational activities. The new system will also allow greater interoperability between the Columbus Module and the Russian Service Module. Integration of the equipment into the ISS infrastructure and required testing and certification require hours of engineering resources that ARISS must pay for and cannot afford.

Each ARISS contact offers the opportunity to inspire young people through ARISS’ unique window into space exploration activities, opening the horizon of possibilities of a career in a STEM field. Each contact also introduces students and their communities to Amateur Radio—all positives for Amateur Radio and our country and world.

ARISS needs your help to secure these opportunities for the future. Individuals may make donations to ARISS online at www.amsat.org by selecting the “Donate ARISS” button. (AMSAT-NA will provide people resources to handle your gifts to ARISS.) Individuals contributing $100 US or more will receive the brand new ARISS Challenge Coin. Corporate donors may contact Frank Bauer at KA3HDO(a)verizon.net or ARISS(a)arrl.org.

[ANS thanks ARISS for the above information]

Delfi-C3 RASCAL Update Necessary for New Server IP Address

Wouter Weggelaar, PA3WEG, reported this week that due to security and maintenance reasons the Delfi-C3 team had to migrate the Delfi-C3 telemetry server to a new environment. This change also required that the IP address for uploading data needed to change. This means your server settings in RASCAL need to be updated to:

New IP: 131.180.122.144
Port: 1099

On July 9 Wouter reported, "The migration has been completed almost without a problem. We still have some minor issues to sort out. Telemetry submission is operating normally but the database performance seems slow. This makes processing more difficult on our end. New user accounts cannot be created but new users can successfully submit received data via the 'guest' account."

The team reports that Delfi-C3 is doing great. They have long exceeded the design lifetime of the satellite and she continues to work well. They appreciate your help in
acquiring data of Delfi-C3 and hope that you continue to track their "old" bird in the future as well!

[ANS thanks Wouter Weggelaar, PA3WEG and the Delfi-C3 team for the above information]

CAMSAT Launch Postponement

A launch postponement has been announced for Beijing’s new CZ-6 rocket which is
planned to carry a constellation of amateur radio satellites.

Soon to be launched six CAMSAT satellites CAS-3A to F have now been named as XW-2 (Hope-2) amateur satellite system, and correspond to the XW-2A to F.

All the satellites have completed environmental testing, currently being burn-in
tests, everything is underway. The satellites will be moved to the launch center
in mid-August and launch date has been postponed to early September.

[ANS thanks Alan, BA1DU, for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive addi-
tional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership
at one-half the standard yearly rate. Post-secondary school students
enrolled in at least half time status shall be eligible for the stu-
dent rate for a maximum of 6 post-secondary years in this status.
Contact Martha at the AMSAT Office for additional student membership
information.

73,
This week's ANS Editor,
Lee McLamb, KU4OS
ku4os at amsat dot org